

CLAIMS

The embodiments of the invention in which an exclusive property or privilege is claimed are as follows:

1. A metering faucet including a housing, a faucet metering cartridge positioned within said housing and having an outwardly-extending faucet stem movable along a stem axis, a cartridge cap positioned within said housing and having a portion extending over and in contact with said cartridge stem to provide an inward force thereon,

a handle pivotally mounted to said housing on one side of said stem axis, said handle having a portion thereof, extending through a housing opening, and in contact with said cartridge cap portion to apply, upon pivotal movement of said handle, an inward force on said cartridge stem, said handle having a force applying area, which extends a substantial distance from said pivotal mounting of said handle, and terminates at the diametrical opposite side of the pivotal mounting of said handle.

2. The metering faucet of claim 1 wherein the pivotal mounting of said handle includes a boss on said housing having a bore extending therethrough, which bore is generally perpendicular to said stem axis, and a pin extending through said handle and said bore.

3. The metering faucet of claim 2 wherein said boss is formed by an enlarged portion of said housing, with said boss extending into a cavity in said handle.

4. The metering faucet of claim 1 wherein said handle includes a cavity facing said cartridge cap, with the portion of said handle in contact with said cartridge cap including a projection located in said cavity.

5. The metering faucet of claim 4 wherein said handle projection, located within said handle cavity, is offset from said stem axis.

6. The metering faucet of claim 5 wherein said handle projection is offset from said stem axis toward the pivotal mounting of said handle.

7. The metering faucet of claim 1 wherein said cartridge cap has a generally cylindrical side wall and a top, with said top lying against said faucet stem, with said cylindrical wall extending along said faucet metering cartridge.

8. The metering faucet of claim 7 wherein said cartridge cap top has a cam surface positioned for contact by a handle projection extending through said housing opening.

9. The metering faucet of claim 8 wherein said cam surface and handle projection are offset from said stem axis toward the pivotal mounting of said handle.